

**2018 ACLPS Annual Meeting**  
**Houston Methodist Hospital and Research Institute**  
**and Texas Medical Center Marriott**  
**Houston, Texas**  
**May 31<sup>st</sup> – June 2<sup>nd</sup>**

**THURSDAY, MAY 31<sup>ST</sup>**

Texas Medical Center Marriott, 3<sup>rd</sup> Floor

7:00 AM–5:00 PM Meeting Registration & Materials Pickup

John F. Bookout Auditorium, HM Research Institute

7:00 AM–8:00 AM Continental Breakfast

8:00–8:10 AM Welcome and Opening Remarks  
James M. Musser, MD, PhD, Chair, Department of Pathology and Genomic Medicine

**Clinical Informatics and Analytics**

8:10–8:15 **Welcome and Session Overview**  
S. Wesley Long, MD, PhD, Department of Pathology and Genomic Medicine, Houston Methodist Hospital, Houston

8:15–8:50 **Hidden Dangers of Barcodes for General Laboratory Use and Blood Banks and How to Avoid Them**  
Alexis B. Carter, MD, FCAP, FASCP, Department of Pathology and Laboratory Medicine, Children’s Healthcare of Atlanta, Atlanta

8:50–9:25 **Clinical Analytics and Laboratory Test Stewardship**  
Ila Singh, MD, PhD, Department of Pathology, Texas Children’s Hospital, Houston

9:25–10:00 **Challenges and Opportunities in Pathology Informatics**  
S. Wesley Long, MD, PhD, Department of Pathology and Genomic Medicine, Houston Methodist Hospital, Houston

10:00–10:15 Break

10:15–10:50 **Clinical Laboratory Informatics: Building an Infrastructure for Improving Quality and Enhancing Value**  
Anand Dighe, MD, PhD, Department of Pathology, Massachusetts General Hospital, Boston

10:50–11:30 **Choose Your LIS Wisely**  
Panel discussion on deciding which LIS is right for your institution as options and test complexity increase  
Featuring: Greg Buffone, PhD, DABCC, Texas Children’s Hospital, and others

Texas Medical Center Marriott, 3<sup>rd</sup> Floor, Ballroom

11:30 – 12:45 PM Buffet Lunch

Boardroom, HM Research Institute

11:30 AM – 1:00 PM Executive Council Meeting and Lunch

John F. Bookout Auditorium, HM Research Institute

**Molecular Diagnostics**

- 1:00 – 1:05 PM **Welcome and Session Overview**  
Jessica Thomas, MD, PhD, MPH, Department of Pathology and Genomic Medicine, Houston Methodist Hospital
- 1:05 – 1:40 PM **Improved Screening for Cancer Predisposition Mutations In Patients with Advanced Solid Tumors Enabled By Tumor-Normal Sequencing**  
Diana Mandelker, MD, PhD, Department of Pathology, Memorial Sloan Kettering Cancer Center, New York
- 1:40 – 2:15 PM **Sequencing-Based Measurable Residual Disease Monitoring in Myeloid Malignancies**  
Eric J. Duncavage, MD, Department of Pathology and Immunology, Washington University, St. Louis
- 2:15 – 2:50 PM **Utility and Applications of RNA sequencing in the Clinical Genomics of Childhood Solid Tumors**  
Angshumoy Roy, MD, PhD, Department of Pathology, Texas Children’s Hospital and Baylor College of Medicine, Houston
- 2:50 – 3:25 PM **Current Opportunities/Challenges with Measurable Residual Disease Detection in Acute Lymphoblastic Leukemias by Next Generation Sequencing**  
David Wu, MD, PhD, Department of Laboratory Medicine, University of Washington, Seattle
- 3:25 – 3:45 PM Break
- 3:45 – 3:50 PM **Introduction: Strandjord Young Investigator Research Grant Awardees**  
Jon Genzen, MD, PhD, Secretary-Treasurer, ACLPS
- 3:50 – 4:10 PM **Aptamer-Based Platelet Serotonin Release Assay for Rapid Diagnosis of Heparin-Induced Thrombocytopenia**  
Alexander Lyashchenko, MD, PhD, Department of Pathology, Columbia University, New York
- 4:10 – 4:30 PM **Characterization of the Male Urinary Microbiome**  
Melanie Yarbrough, PhD, Department of Pathology and Immunology, Washington University School of Medicine, St. Louis

4:30 – 4:50 PM      **Improvement of Red Blood Cell Exchange in Sickle Cell Disease by Targeting the Densest Red Blood Cells**  
Suzanne Thibodeaux, MD, PhD, Department of Pathology and Immunology,  
Washington University School of Medicine, St. Louis

[Third Coast, McGovern Commons](#)

6:30 – 8:30 PM      Welcome Reception and Sponsor Exhibits

**FRIDAY, JUNE 1**

[Texas Medical Center Marriott, 3<sup>rd</sup> Floor](#)

7:00 AM – 5:00 PM      Meeting Registration

7:00 – 8:00 AM      **Continental Breakfast**

8:00 AM – 12:30 PM      **Oral Presentations and Poster Viewing**

8:00 – 9:30 AM      Young Investigator Oral Presentations I

9:30 – 11:00 AM      Poster Presentations and Snacks (Marriott Ballroom)

11:00 – 12:30 PM      Young Investigator Oral Presentations II

[Texas Medical Center Marriott, 3<sup>rd</sup> floor Ballroom](#)

12:30 – 1:30 PM      Lunch & Business Meeting

[John F. Bookout Auditorium, HM Research Institute](#)

**Clinical Microbiology**

1:40 – 1:45      **Welcome and Session Overview**  
Randy Olsen, MD, PhD, Department of Pathology and Genomic Medicine, Houston  
Methodist Hospital, Houston

1:45 – 2:20      **Molecular Approaches to Diagnosing Pediatric Infections**  
Jennifer Dien Bard, PhD, D(ABMM), F(CCM), Department of Pathology and  
Laboratory Medicine, Children's Hospital Los Angeles, Los Angeles

2:20 – 2:55      **Total Laboratory Automation in Clinical Microbiology**  
Carey-Ann Burnham, PhD, D(ABMM), FIDSA, F(AAM), Department of Pathology and  
Immunology, Washington University School of Medicine, St. Louis

- 2:55 – 3:30            **Whole Genome Sequencing of Microbes in the Clinical Laboratory**  
Randy Olsen, MD, PhD, Department of Pathology and Genomic Medicine, Houston Methodist Hospital, Houston
- 3:30 – 3:45            Break
- 3:45 – 4:20            **The Potential Impact of Rapid Phenotypic Susceptibilities on Management of Patients with Gram-negative Sepsis**  
Paula Revell, PhD, Department of Pathology, Texas Children’s Hospital, Houston
- 4:25 – 5:25            **Ernest Cotlove Award and Lecture**  
**Genetic Options for Reproduction in the Genomic Era**  
Arthur Beaudet, MD, Henry and Emma Meyer Chair and Professor, Molecular and Human Genetics, Baylor College of Medicine
- 5:25 – 5:30            **ACLPS 2019: Highlights and Coming Attractions**  
Department of Pathology, University of Utah, Salt Lake City, May 30–June 1, 2019  
Elizabeth Frank, PhD, DABCC, and Jonathan Genzen, MD, PhD

[Marriott Valet/Dryden Pick Up](#)

- 5:45 – 6:30            Board shuttles to Houston Museum of Natural Science  
(First shuttle leaves at 6:00 PM, last shuttle leaves at 6:30; shuttles will begin returning to the Marriott at 8:30)
- 6:30 – 9:30            **Awards Banquet at Houston Museum of Natural Science Wiess Energy Hall**

**SATURDAY, JUNE 2**

[Texas Medical Center Marriott, 3<sup>rd</sup> Floor](#)

- 7:00 – 8:00            Continental Breakfast

[John F. Bookout Auditorium, HM Research Institute](#)

**Transfusion Medicine**

- 8:15 – 8:20            **Welcome and Session Overview**  
David Bernard, MD, PhD, Department of Pathology and Genomic Medicine, Houston Methodist Hospital, Houston
- 8:20 – 8:55            **Cases at the Interface between the Transfusion Medicine Service and the Coagulation Lab**  
Eric Salazar, MD, PhD, Department of Pathology and Genomic Medicine, Houston Methodist Hospital, Houston
- 8:55 – 9:30            **Extracorporeal Life Support – Lab Role in Preventing Thrombosis and Bleeding**  
Wayne Chandler, MD, Department of Pathology, Seattle Children’s Hospital, Seattle

- 9:30 – 10:05      **Keeping the Blood Flowing: Maintaining an Adequate Blood Supply in Challenging Situations**  
Barbara Bryant, MD, FCAP, FASCP, Department of Pathology, University of Texas Medical Branch, Galveston
- 10:05 – 10:20      Break
- 10:20 – 10:55      **Postpartum Hemorrhage and the Massive Transfusion Protocol: Improving Patient Care from the Lab**  
Lisa Hensch, MD, Department of Pathology, Texas Children’s Hospital, Houston
- 10:55 – 11:45      **Benson Award and Lecture**  
**Transfusion Medicine-Related Perturbations to Systemic Iron Homeostasis**  
Eldad A. Hod, MD, Department of Pathology and Cell Biology, Columbia University Vagelos College of Physicians and Surgeons, New York
- 11:45 – 12:00      Concluding Remarks
- 12:00 PM            Meeting adjourned
- [Boardroom, HM Research Institute](#)
- 12:15 – 2:00 PM      Executive Council Meeting and Lunch